

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755910014-8

TIHOVA, Z. M.

I. L. MIKAK, Zemr Prk vlnm, v. 18, 1945, p. 715-729

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755910014-8"

ACCESSION NO.: A25003444

AUTHOR: Milyutina, M. I., "Natrium niobium arsenate"

TITLE: Niobium arsenate

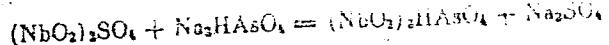
SOURCE: Zhurnal neorganicheskoy khimii, 1958, 3, 1000-1002, RUDNAR

TOPIC TAGS: niobium arsenate, sodium niobium arsenate, compound, reaction,

reaction, precipitation, thermal analysis

ABSTRACT: The precipitation of niobium arsenate from sulfuric acid solution. The amount of niobium arsenate precipitated depends on the concentration of the reagents.

are future references



Card 1/3

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CIA-RDP86-00513R001755910014-8

L 52073-65

ACCESSION NO.: AF 100-1000

NO REF SOV: 009

OTHER: 002

Card 213

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755910014-8"

L. S. 1974

AQUATIC MICROBIAL

ANALYSIS

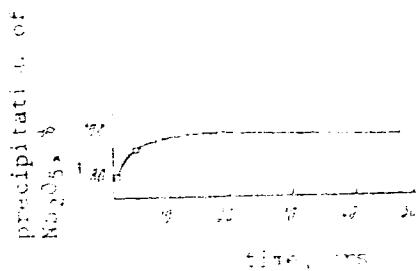


Fig. 1. Effect of different concentrations of Na<sub>2</sub>SO<sub>4</sub> on precipitation of  $\text{Fe}^{2+}$  by *Leptothrix* at pH 7.0.

Card

YEGOROV, A.M.; TITOVA, Z.P.

Temperature dependence of solubility products of salts with  
multiaatomic ions. Zhur.neorg.khim. 7 no.2:275-278 F '62.  
(MIRA 15:3)  
(Salts) (Solubility)

TITOVA, Z.P.; SAVINA, Ye.V.; KLUSHIN, D.N.

Kinetics of the disproportionation of stannous oxide. Zhur.  
prikl. khim. 37 no.10:2150-2158 6 '64.

(MIRA 17:11)

SAVINA, Ye.V.; TITCOVA, Z.P.; KLOUSHIN, D.N.

Decomposition of tin protoxide. Sbor. nauch. trud. Sintavmeto  
no.238356-362 '65. (MERA 18.12)

TITOVA, Z.P.; SAVINA, Ye.V.; KLUSHIN, D.N.

Studying the kinetics of the decomposition of tin protoxide.  
Sber. nauch. trud. Gintsavetmeta no.23:363-374 '65.  
(MIRA 18:12)

TITOVA, Z.P.; KLUSHIN, D.N.

Mechanism and the kinetics of the lead oxide reduction process by carbon monoxide. Sbor. nauch. trud. Gintsvetmeta no.23:54-66 '65.

(MIRA 18:12)

KLUSHIN, D.N.; TITOVA, Z.P.

Investigating the temperature dependence of the elasticity of  
stannous sulfide vapors over mixtures of SnO + FeS and Sn + FeS.  
Sbor. nauch. trud. Gintsvermsta no.19:642-646 '62.

(MIRA 16:7)

(Tin sulfide) (Vapor pressure)

TITOVA, Z.V.  
ANDREYANKO, S.S.; TITOVA, Z.V.

Quantitative variations of chlorophyll in the leaves of *Zea mays*,  
due to different temperatures in the area. Dokl. AN SSSR 116 no.1:  
157-160 S-0 '57. (MIRA 11:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
Predstavлено академиком A.I. Oprinym.  
(Chlorophyll) (Corn (Maize))

COUNTRY : USSR  
CATEGORY : PLANT PHYSIOLOGY. Heat Regime. I  
PUB. JOURNAL : KLF ZHUR - BIOLOGIYA, NO. 4, 1959.  
AUTHOR : Andreyenko, S.S.; Titova, Z.V. 15299  
INSTITUTION : AS URSR  
SUBJECT : Competitive Changes in Chlorophyll of Leaves of Corn Sprouts with varied Temperatures in the Root Zone.  
VOLG. PUB. : Dokl. Akad. Nauk SSSR, 1957, 116, No.1, 157-160  
EXTRACT : Plants of two varieties of corn (Moscow 4 and Odessa 10) were cultivated in crystalized fertilizers in Knop's solution. The part of the plants above ground were under uniform temperature conditions ( $T_0 = 22$  degrees), but the root systems were subjected to different temperatures. In one group of the plants the temperature in the root system was higher than  $3 - 5$  degrees, but in the other it was lower than  $3 - 10$  degrees. The latter was

CARD:

1/3

COUNTRY : RUSSIA  
SUBCORY : PLANT PHYSIOLOGY

ART. JOUR. : V. L. ZHUR - BIOLOGIYA, NO. 4, 1959. Pg. 102-9

AUTHOR :  
PAGE :  
TITLE :

FIG. FIG. :

REPORT : attainment of passing cold water through spiral tube condensers placed in a water bath in which the crystallizer and plants were immersed. In plants of the second group there was observed a marked slowing down of the processes of growth and chlorophyll formation. The influence of lowered temperatures in the root zones was especially manifested on the accumulation of chlorophyll in young growing leaves and

CARD: 2/3

COUNTRY  
• • • CATEGORY PLANT PHYSIOLOGY.

ART. JOUR. REF ZHUR. - BIOLOGIYA, NO. 4, 1959,

AUTHOR I.

DATE 1959

ORG. RIN:

ABSTRACT : on sharp alterations in the relation between chlorophyll a and c. no definite regularity was noted with this. The work was executed at the Moscow University.  
-- I.K. Polischuk

Ref ID: 3/1

ANDREYENKO, S.S.; TITOVA, Z.V.

Effect of low temperatures in the root zone of corn on respiration intensity and enzyme activity. Nauch.dokl.vys.shkoly; biol.nauki no.2:153-158 '59. (MIRA 12:6)

1. Rekomendovana kafedroy fiziologii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.  
(Plants, Effect of temperature on)  
(Roots (Botany))

TITOVA, Z. V.

AUTHORS: Andreyenko, S. S., and Titova, Z. V. 20-1-44/44

TITLE: Quantitative Variations of Chlorophyll in the Leaves of Maize Germs (of Zea Mays) at Different Temperatures Within the Zone of Roots (Kolichestvennyye izmeneniya khlorofilla v list'yakh prorostkov kukuruzy pri raznoy temperaturе v zone korney).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 1, pp. 157-160 (USSR).

ABSTRACT: It was proved by means of the grafting method, that the content of pigment in the leaves of the graft scion can be essentially modified under the influence of root systems of various plants. This method, however, is not capable of answering the question concerning the influence of the own roots on the photosynthesis-apparatus; as parts of two different plants must always be used in this connection. This question can only be answered when the root systems are placed in so very different conditions that differences occur in their physiological state and activity. These different conditions may be created by variations of temperature, moistness, aeration, supply with individual nutritive substances, environment reaction etc. The authors bred young maize plants in the Knop-solution. One group had the temperature in the zone of

Card 1/3

Quantitative Variations of Chlorophyll in the Leaves of Maize Germs 20-~~1~~<sup>44</sup>/44  
(of Zea Mays) at Different Temperatures Within the Zone of Roots.

roots 18 - 20°C, the other 8 - 10°C, while the temperature (18-20°C) of the overground parts was the same. The growth of roots was already considerably suppressed in the group with cooled roots (table 1). The content of chlorophyll in the leaves of the germs is given on table 2. Higher temperatures in the zone of roots led to a stronger chlorophyll synthesis. The relation between chlorophyll a and b was also modified, the causes of this latter phenomenon are not yet clear. Table 3 gives the quantities of chlorophyll in proportion to the gross weight, the superficial unit and per 1 plant. The resulting data which are described here show that a great influence is exerted by the roots on the formation of the apparatus of photosynthesis of the maize plants. Lower temperatures in the zone of roots retard the chlorophyll synthesis by causing differences in the physiological state and in the conditions of activity of the roots. This manifests itself especially strong in young leaves that are just being formed. This may possibly be one of the causes for the slow growth of maize at low soil temperatures. There are 4 tables and 15 references, 11 of which are Slavic.

Card 2/3

Quantitative Variations of Chlorophyll in the Leaves of Maize  
(of Zea Mays) at Different Temperatures Within the Zone of Roots. 20-1-44/44

ASSOCIATION: Moscow State University imeni M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova).  
PRESENTED: By A. I. Oparin, Academician, May 13, 1957.  
SUBMITTED: May 13, 1957.  
AVAILABLE: Library of Congress.

Card 3/3

TITOVA-MARDER, V.I.

MARDER, B.B., podpolkovnik med. sluzhby; LENTSNER, A.A., kapitan med. sluzhby,  
kand. med. nauk; TITOVA-MARDER, V.I., kand.med.nauk

Bacterioscopy as a method for determining bacteria in the air and water.  
Voen.med.zhur. no.9:51-54 S '57. (MIRA 11:3)

(WATER, microbiology,  
bacterioscopy (Rus)  
(AIR, microbiology,  
same)

TITOVA-MOLCHANOVА, Z. Ya.

Viticulture

Change of the grape bud's fertility during the early spring period; Sad. i og.  
no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

TITOVETS, A.A.

Reconditioning the abrasive cloth from belt polishing machines.  
Der. prom. 13 no.7:27 Jl '64. (MIRA 17:11)

1. Tiraspol'skaya mebel'naya fabrika No.5.

KOROTKOV, V.F.; TITOVENTS, A.V.

Determination of sulfur, phosphorus, and carbon in low-alloy  
steels with a vacuum quantimeter. Izv. AN SSSR. Ser. fiz. 26  
no.7:918-920 Jl '62. (MIRA 15:8)  
(Chemistry, Analytic—Quantitative) (Steel alloys)

KOROTKOV, V.F.; TIMOSHENKO, N.N.; TITOVENTS, A.V.

Developing a method of sulfur, phosphorus, and carbon analysis  
using a vacuum quantometer. Sbor.trud. TSNIICHM no.31:7-18 '63.  
(MIRA 16:7)  
(Sulfur--Spectra) (Phosphorus--Spectra) (Carbon--Spectra)

TITOVICH, N.Ye. (Gor'kiy); LAKEYEVA, M.A. (Gor'kiy)

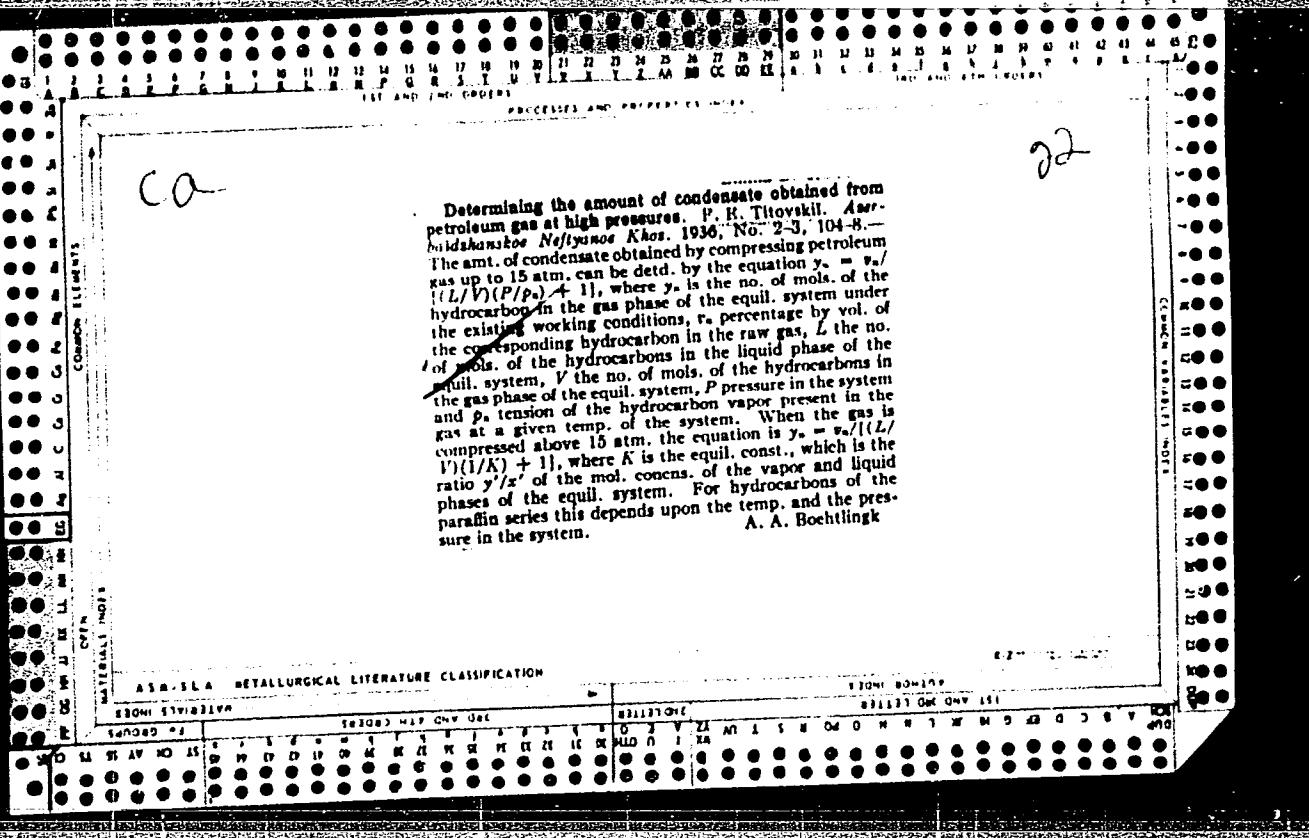
Daily shift planning of the work of a railroad division.  
Zhel. dor. transp. 46 no.4:69-74 Ap '74. (MISA 17:6)

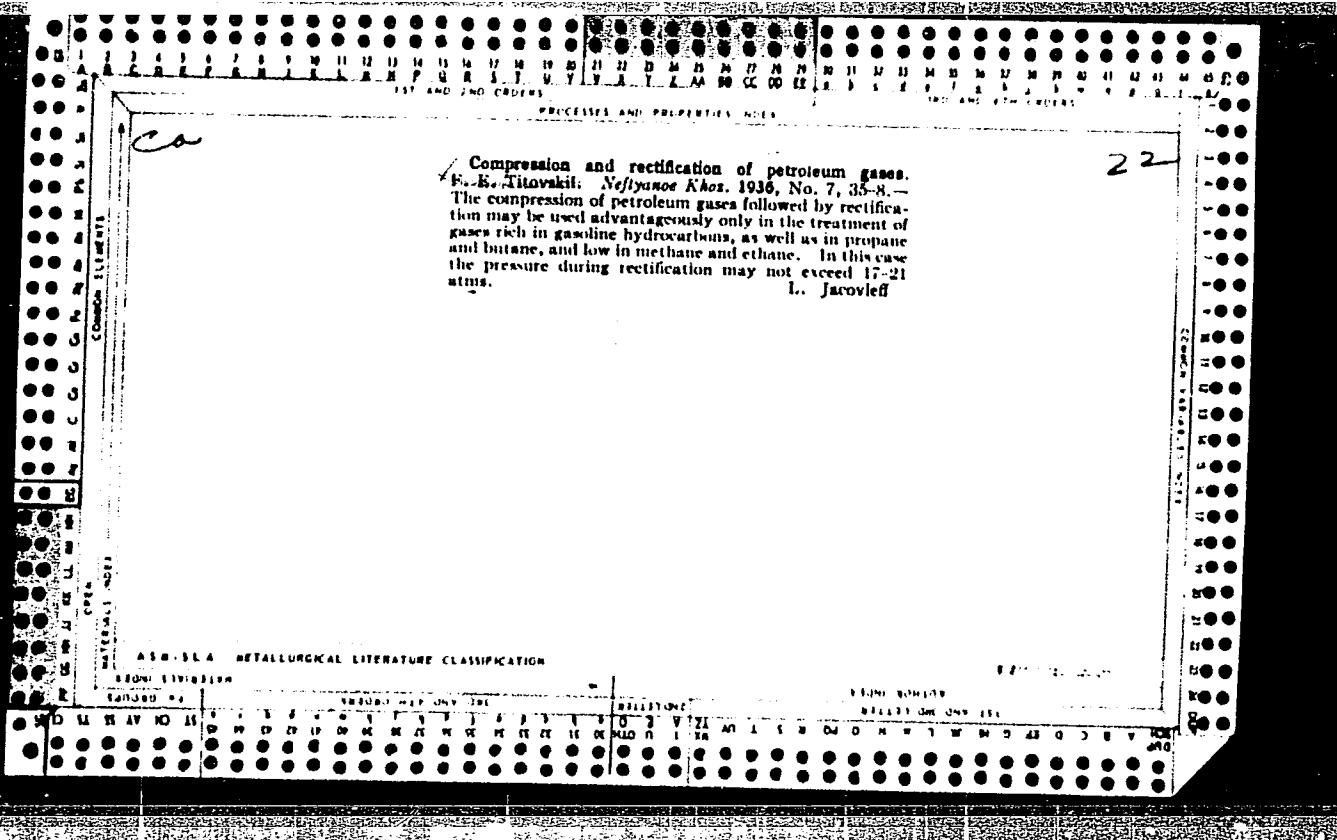
1. Nachal'nik Gor'kovskogo otdeleniya Gor'kovskoy dorogi (for Titovich). 2. Nachal'nik planevo-tehniko-ekonomicheskogo otdela Gor'kovskogo otdeleniya Gor'kovskoy dorogi (for Lakeyeva).

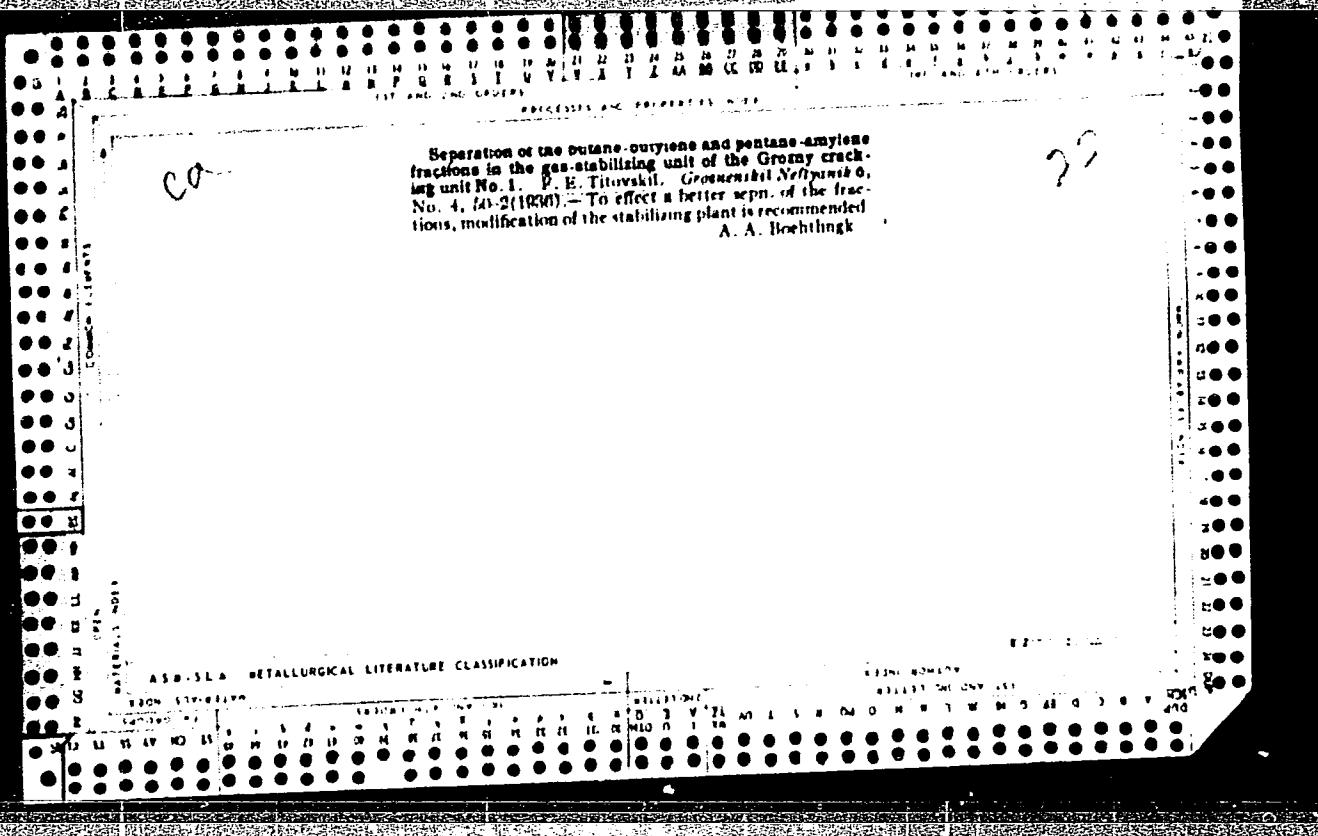
776v6 4, 76, 81

AYVAZYAN, G.S., inzhener; TITOVICEH, Yu.P., inzhener.

Bridge construction innovators. Put' i put. khoz. no.7:35-36 J1 '57.  
(Railroad bridges) (MLRA 10:8)







Separation of the butane, butylene and pentane, amylene fractions in the gas stabilizing unit of the Grozny crack ing unit No. 1. P. E. Titovskii. Grozneft Neftegaz 6, No. 1, 70-2(1970). To effect a better sepn. of the frac tions, modification of the stabilizing plant is recommended.  
A. A. Bochtingk

ASU-SLA METALLURGICAL LITERATURE CLASSIFICATION

Selection of the most favorable pressure for the production of liquid hydrocarbons from petroleum gases. P. E. Troyskii. *Zhurnal Neftyanik* 7, No. 4, 60-21(037). Extrn. of propane and butanes in the liquid phase by compression alone does not produce complete extrn., even at high pressures. In the compression method at 30-40 atm., a final pressure of 30 atm. may be recommended, provided that the graphs for detg. the fugacities do not need a more accurate definition. For a raw material in the liquid phase in polymerization plants, when 100% extrn. of propane and butanes must be assured, the compression

absorption method is best, with a final pressure (in the discharge line of the compressors) of 20-25 atm. Various catalysts and diagrams are presented. A. A. B.

ASA-LSA METALLURGICAL LITERATURE CLASSIFICATION

ZIMENKOV, I.A.; RED'KO, V.M.; TITOVSkiY, F.I.; PILYUGINA, I.I.; SAVUN, N.M.

Hydraulic press for stamping spherical bottoms of containers. Suggested  
by I.A.Zimenkov, V.M.Red'ko, F.I.Titovskii, I.I. Piliugina, N.M.Savun.  
Rats. i izobr. predl. v stroi. no.15:39-40 '60. (MIRA 13:9)

1. Po materialam tresta Metallurgmontazh Ministerstva stroitel'stva  
USSR.

(Hydraulic presses) (Containers)

TITOVSkiY, I.

107-57-5-16/63

AUTHOR: Titovskiy, I., Chief of the SP-6 radio station

TITLE: "North Pole 6" (Severnyy polyus 6)

PERIODICAL: Radio, 1957, Nr 5, p 13 (USSR)

ABSTRACT: Reserve radio equipment has been secured for the coming Geophysical Year.

So far, we had no service interruption; minor defects were corrected on the spot.

Much attention is paid to amateur work: we maintain communication with Mirnyy,

work Australians VK2ACX, VK3CX, Hawaii KX6AUJ, KX6AUG, also all countries of

Europe. The following Soviet amateurs have responded: Stromilov (Moscow),

Leykekhman (Astrakhan'), Khakimov (Ashkhabad), Goncharskiy (L'vov), Stradin

(Ivanovo).

AVAILABLE: Library of Congress

Card 1/1

TITO VSKY, I.

USSR/ Electronics - Radio

Card 1/1 Pub. 89 - 5/24

Authors : Sergeyev, V.; Morov, M.; Titovskiy, I.; Bogomolov, A.; Lapshin, Yu;  
Ivanov, A.; and Rogachev, V.

Title : Over thousands of kilometers

Periodical : Radio 5, page 11, May 1955

Abstract : Brief messages from various Soviet expeditions (Antarctic, Vrangel Island,  
Indian Ocean, Uedinenie Island, Cape Schmidt) praising the great achievements  
of Soviet radio communications system. Illustrations.

Institution : .....

Submitted : .....

TITSKIY, I. Ya.

TITSKIY, I. Ya.: "The Effect of Various Doses of Kitchen Salt on the Growth, Development, Metabolism, and Productivity of Swine." Min Higher Education Ukrainian SSR. Khar'kov Zootechnical Inst. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Agricultural Science)

So: Knizhnaya Letopis' No. 18, 1956

TITOW, A. I.

"Sur la vitesse de l'acetylation des acides sulfoniques aromatiques amines." Titow, A. I.  
et Barichnikow, A. N. (p. 357)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 2.

TITOW, A. I.

"Sur le mecanisme de la reaction de M. I. Konowalow. I." A. I. Titow. (p. 1695)

SO: Journal of General Chemistry (Zhurnal Obshchey Khimii). 1937, Volume 7, No. 11.

TITOW, A. I.

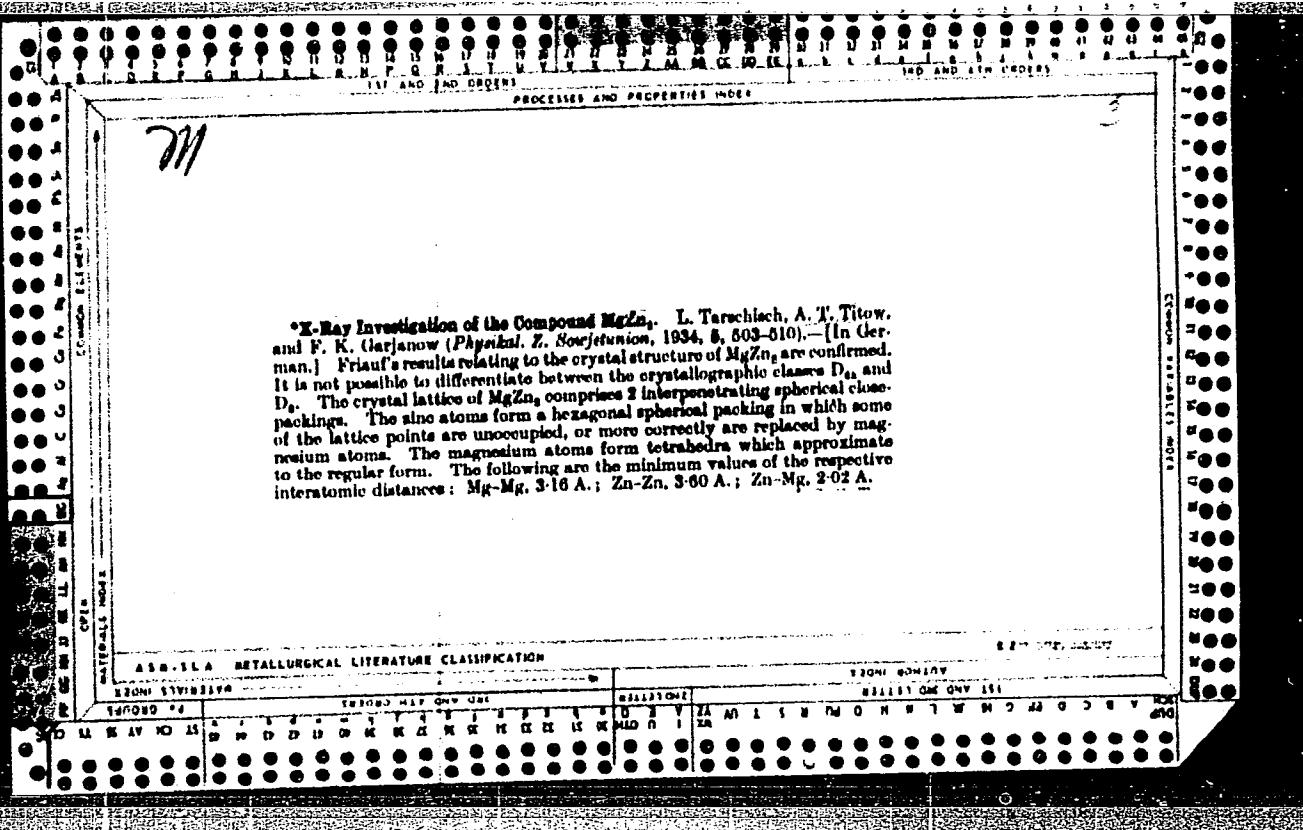
"Sur la question de l'action du dioxyde d'azote sur le benzene, le toluene et le chlorehben-zene. Communication III." Titow, A. I. (p. 591)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 3-4.

TITOW, A. I.

"Nitration au moyen du dioxyde d'azote du benzaldehyde et des derives nitres du benzene,  
toluene et chlorbenzene. Communication IV." Titow, A. I. (p. 667)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 3-4.



TITOYKIN, V., instruktor.

Caution in flight. Kryl.rod. 7 no.12:19-20 D 156. (MLRA 10:3)

1. Kemerovskiy aeroklub.  
(Flight training)

TITOYKIN, V.

AID P - 5538

Subject : USSR/Aeronautics - Training

Card 1/1 Pub. 58 - 12/15

Author : Titoykin, V., Instructor, Kemerovskiy (Kemerovskaya oblast', RSFSR) Aeroclub.

Title : Circumspection in flight

Periodical : Kryl. rod., 12, 19-20, D 1956

Abstract : The author indicates the importance of caution in flight and outlines his method of teaching circumspection to the trainees both during the ground training and in training flights. 1 photo.

Institution : None

Submitted : No date

*Titlova, A.I.*

USSR / Microbiology. Microbes Pathogenic to Man and Animals. Bacteria. Bacteria of the Intestinal Group. P-5

Abstr: Ref Zhur-Biol., No 16, 1958, 72175.

Author : Budilova, V. V.; Il'yurovich, A. Yu.; Petrenko, Z. G.; Sosulin, N. V.; Golubev, Ye. Ye.; Litvinova, N. N.; Kostyuk, V. I.; Gorbunova, R. G.  
Inst: - Institute of Veterinary Biotechnology, Research Institute of Virocine and Serums  
Title : Experimental-Biological Model of Bacterial Dysentery.

Org Pub: Sb. nauchn. tr. Byuropol'sk. n.-i. in-t vekst i rovorotok, 1957, vyp. 4, 88-97.

Abstract: Kittens aged 2-5 months were infected orally with a local strain of a Flexner type W in a quantity of 1-5 billion microbe bodies. Development of

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Abstract: typical bacterial dysentery was observed in all kittens after the incubation period. The animals were divided into 3 groups according to the character of the disease: severe, intermediate and mild forms of dysentery. It is noted that the severity of the disease did not depend on the infecting dose of the bacteria. The diagnosis was confirmed by the bacterial investigation of feces and internal organs, as well as by means of phagocytic reaction and reaction of agglutination with sera of the kittens. Pathological-anatomic and histological changes of internal organs of the kittens were characteristic

Card 2/3

61

Abstr: Ref Zhur-Biol., No 16, 1958, 72175.

Abstract: The authors think that kittens must serve as an experimental-biological model for the study of the problems of pathogenesis and immunity from dysentery. — P. I. Verbov.

Card 3/3

USSR/Microbiolgy - Microorganisms Pathogenic to Humans and  
Animals.

F-5

TITROVA, A. I.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9960

Author : Budylina, V. V., Illyutovich, A. Yu., Petrova, Z. S.,  
Bodulina, T. V., Golubeva, YE. Ye., Titrova, A. I., Chetverian,  
R. S.

Inst : ~~Ex~~

Title : Experimental Bacterial Dysentery.

Orig Pub : Byul. eksperim. biol. i meditsiny, 1957, 43, No 2, 70-75.

Abstract : Kittens at the age of 2-5 months were infected by a sus-  
pension of Flexner dysentery culture (strain No 6176) mi-  
xed with milk. All 15 kittens became ill with typical dy-  
sentery clinical symptoms. Flexner dysentery bacilli were  
isolated from excreta and different organs. Accumulation  
of agglutinins in the blood was noted 6 days after infec-  
tion, and lasted all through the illness. During severe  
and moderate gravity of dysentery an inhibition of the

Card 1/2

phagocytic reaction was noted in the course of the whole period of illness; in lighter forms of the disease the phagocyte activity was restored from the 10th day after infection. The dysentery diagnosis was confirmed on dissection.

SHAL'NEVA, A.M.; KRUGLIKOV, V.M.; TITROVA, A.I.; LUKINA, R.A.

Exploration of a method for obtaining dry leptospira cultures.  
Zhur. mikrobiol., epid. i immun. 42 no.8:144-145 Ag '65.  
(MIRA 18.9)

1. Stavropol'skiy institut vaktsin i syvoretok.

SHAL'NEVA, A.M.; GUSEV, V.M. [deceased]; TITROVA, A.I.; SOLOSHENKO, I.Z.

Role of birds in the epizootiology of leptospirosis. Zool. zhur.  
42 no.5:775-777 '63. (MIRA 16:7)

1. Institute of Vaccines and Sera of Stavropol, Research Anti-Plague  
Institute of the Caucasus and Transcaucasia and Institute of  
Epidemiology and Microbiology of the Academy of Medical Sciences  
of the U.S.S.R., Moscow.  
(Caucasus--Leptospirosis) (Birds as carriers of disease)

TITROVA, A. I., KIVILIKOV, A. M., SHALIKHVA, A. K., GUZACHEVA, V. V.,  
ZAITSEV, A. A., POKROVSKAYA, N. V., POPCVA, E. V., LYASHEVSKY, V. D.

"The sources of leptospirosis infection in nature (according to  
the Stavropol' region materials)." p. 154

Desyatoye Soveshchaniye po parazitologicheskim problemam i  
prirodnochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference  
on Parasitological Problems and Diseases with Natural Foci 22-29  
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences  
USSR and Academy of Sciences USSR, No. 1 254pp.

Inst. of Vaccines and Sera and Regional Sanitary-Epidemiological Station/Stavropol'

SPIVAK, M.Ya.; ARGUDAYEVA, N.A.; NABIYEV, E.G.; CHISTOVICH, G.N.; RIVLIN, M.I.; SEMENOV, M.Ya.; KRUGLIKOV, V.M.; SHAL'NEVA, A.M.; TITROVA, A.I.; RAYKIS, B.N.; MILYAYEVA, Ye.N.; BRUDNAYA, E.I.; GODINA, I.F.; VOL'FSON, G.I.; SOSONKO, S.M.; KOLESINSKAYA, L.A.; VYSOTSKIY, B.V.; MALYKH, F.S.; MIROTVORTSEV, Yu.I.; SYCHEVSKIY, P.T.; GOPACHENKO, I.M.; KARPITSKAYA, V.M.; FETISOVA, I.A.; MARTINYUK, Yu.V.; EMDINA, I.A.

Annotations. Zhur. mikrobiol., epid. i immun. 40 no.3:128-131  
(MIRA 17:2)  
Mr '63.

1. Iz Kemerovskogo meditsinskogo instituta i Kemerovskoy klinicheskoy bol'nitsy No.3 (for Spivak, Argudayeva). 2. Iz Kazanskogo instituta usovershenstvovaniya vrachey imeni Lenina (for Nabiyev). 3. Iz Leningradskogo kozhnogo dispansera No. 1 (for Chistovich, Rivlin). 4. Iz Rostovskoy oblastnoy sanitarno-epidemiologicheskoy stantsii (for Semenov). 5. Iz Stavropol'skogo instituta vaktsin i syvorotok (for Kruglikov, Shal'neva, Titrova, Raykis). 6. Iz Kuybyshevskogo instituta epidemiologii, mikrobiologii i gigiyeny i TSentral'nogo instituta usovershenstvovaniya vrachey (for Milyayeva). 7. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta zhelezno-dorozhnoy gigiyeny Glavnogo sanitarnogo upravleniya Ministorstva putey soobshcheniya i Detskoy polikliniki st. Lyublino

(Continued on next card)

ARTICLES IN THIS REPORT

Author: Slobodkin, V. P.

Subject: Leptospira, growth in various types of nutrient media

Title: A comparative study of the growth of Leptospira in various media  
in Leptospira incubation

Source: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no.

13, 1965, 141

Topic Tags: microorganism culture, Leptospira, nutrient medium,  
culture medium, vitamin B complex, glycerine, amino acid metabolism,  
nitrogen metabolism

Abstract: Leptospira pomona growth was studied in solid, liquid, and  
semi-solid culture media. In a series of experiments. In a  
series of experiments, the growth of Leptospira pomona

liquid culture medium. Growth was poor in solid culture medium. Very poor  
medium, and grew very poorly in a semi-solid medium. Very poor  
activity results were obtained in liquid culture medium with the  
addition of glycerine or the B complex vitamins. In incubating the

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L 43946-65

ACCESSION NR: AP5008020

three Leptospira serological types, the metabolism processes of Leptospira icterohaemorrahagiae were more intense than those of the other two types. The addition of glycerine and B complex vitamins stimulated culture growth and intensified the utilization of such

ASSOCIATION: Stavropol'skiy institut vaksin i syvorotok  
(Stavropol'skiy Institute of Vaccines and Serums)

SUBMITTED: 21May64 ENCL: 00 SUB CODE: LS

NR REF Sov: 000 OTHER: 000

Card 2/2 A P

TITROVA, A.I.; SHUL'TS, L.M.; TEL'BUKH, V.P.

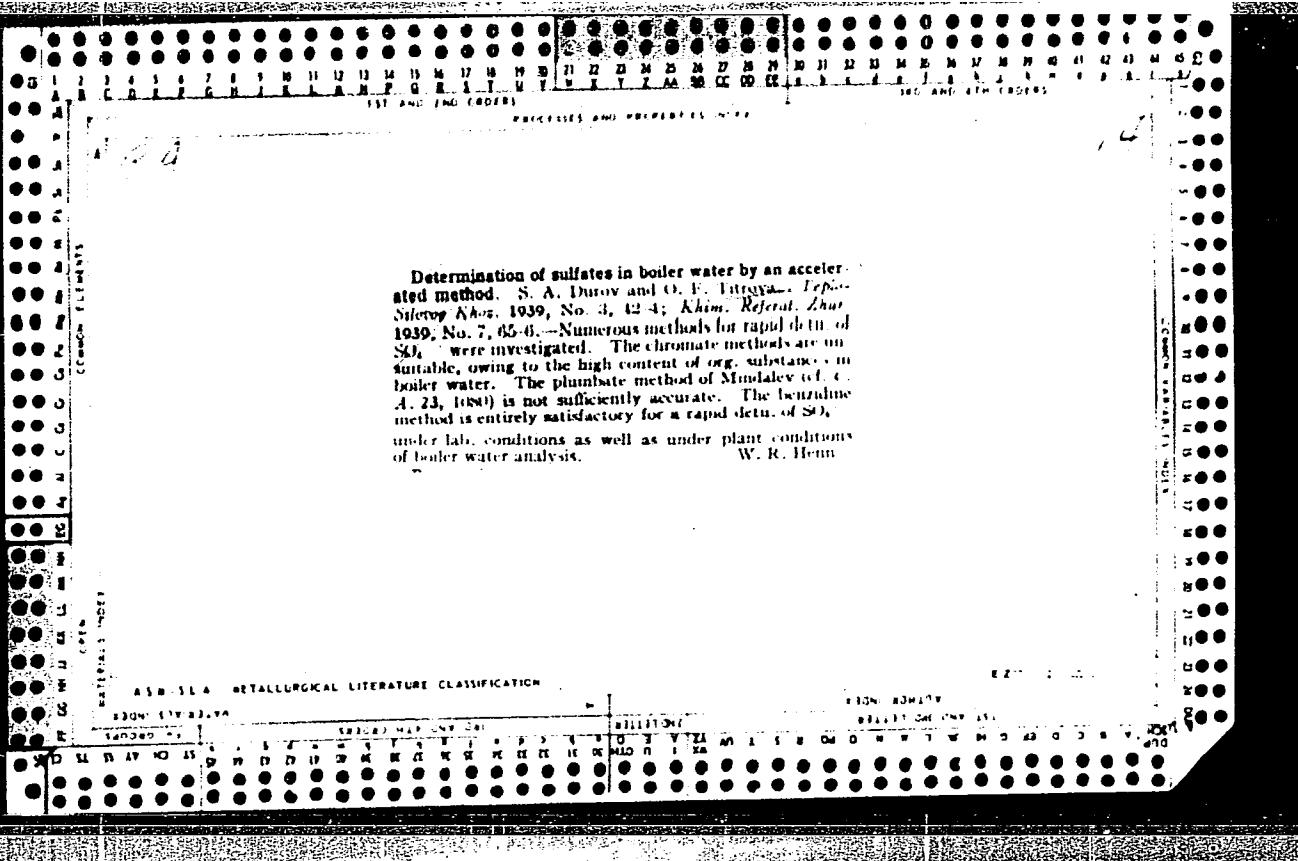
Comparative evaluation of the effectiveness of culture media for  
the cultivation of Leptospira. Zhur.mikrobiol., epid. i immun. 42  
no.3:141 Mr '65. (MIRA 18:6)

1. Stavropol'skiy institut vaktsin i syvorotok.

BUDYLINA, V.V.; ILLYUTOVICH, A.Yu.; PETROVA, Z.S.; BODULINA, T.V.;  
GOLUBEVA, Ye.Ye.; TITROVA, A.I.; CHETVERINA, R.S.

Experimental model of bacillary dysentery [with summary in English]  
Bul. eksp. biol. i med. 43 no.2:70-75 F '57 (MLRA 10:5)

1. Iz Stavropol'skogo nauchno-issledovatel'skogo instituta vaktsin  
i syvorotok (direktor-kandidat meditsinskikh nauk V.M. Kruglikov.  
nauchnyy rukovoditel'-kandidat meditsinskikh nauk V.V. Budylina.  
Predstavlena deystvitel'nym chlenom AMN SSSR L.A. Zil'berom.  
(DYSENTERY, NAGILLARY, experimental.) (Rus)



BURAS, M., inzh.; MOROZOV, N., kand.tekhn.nauk; LAGUN, I., inzh.; TITRYAN, R., inzh.

Brick wall panels. Stroitel' no.12:15-19 D '58.  
(MIRA 12:1)  
(Building blocks)

SHARPENAK, A.E. TITRYANTS, O.K.

Anesthetic action of B<sub>1</sub> vitamin (thiamine) paste on hard dental tissues. Stomatologija 38 no.4:13-15 Jl-A6 '59. (MIRA 12:12)

1. Iz kafedry terpevticheskoy stomatologii (zav. - prof. Ye.Ye. Platonov) i kafedry biokhimii (zav. - prof. A.E. Sharpenak) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent G.N. Beletskiy).

(THIAMINE) (THERAPEUTICS, DENTAL)

TITS, A.A., kand.arkhitektury

The unknown work of Petr IAroslavskii. Trudy Khar.inzh.-stroi,  
inst. no.14:47-52 '60. (MIRA 15:7)  
(IAroslavskii, Petr Antonovich) (Kharkov Province--Architecture)

TITS, A. B.

Priblizehnoye Bychisleniye P-<sup>''</sup>ratnykh integralov. IAN. ser. Matem., 4 (1940), 423-464.

SO: Mathematics in the USSR, 1917-1947  
edited by Jurosh, A. G.,  
Markushevich, A. I.,  
Rashevskiy, P. K.  
Moscow-Leningrad, 1948

TITS, A. B.

Graficheskoye resheniye uravneniy, sistem uravneniy i neravenstv. khrk. Izv. inzhstroit.  
IN-TA (1941), 20.

SO: Mathematics in the USSR, 1917-1947  
edited by Jurosh, A. G.,  
Markushevich, A. I.,  
Rashevskiy, P. K.  
Moscow-Leningrad, 1948

REIZOV, N.; TITS, Yu.; TOLOK, V.V.; MAMAYEV, I.M.; MALEYEV, I.I., dotsent;  
RYBOCHKIN, O.

Eliminate unnecessary load testing of bridge cranes. Metallurg 10  
no.8:33-35 Ag '65. (MIRA 18:8)

1. Glavnyy mekhanik Magnitogorskogo metallurgicheskogo kombinata  
(for Reizov). 2. Glavnyy mekhanik Zhdanovskogo metallurgicheskogo  
zavoda im. Il'icha (for Tits). 3. Inspektora po kranovomu  
khozyaystvu Metallurgicheskogo zavoda im. Dzerzhinskogo (for  
Tolok, Mamayev). 4. Glavnyy mekhanik Kuznetskogo metallurgicheskogo  
kombinata (for Rybochkin).

ZAKHAROV, A.Ye.; TITS, Yu.V.

Build-up welding of the feed mechanism carriage of a pilgrim mill. Avtom. svar. 16 no.1:82-83 Ja '63. (MIRA 16:2)

1. Zhdanovskiy metallurgicheskiy zavod imeni Il'icha.  
(Rolling mills—Maintenance and repair)  
(Feed mechanisms—Maintenance and repair)

TITS, Z.L.

Equipment for measuring the velocity and consumption of air and gases.  
Mekh. i elek.sots.sel'khoz. no.5:53-54 '56. (MIRA 12:4)  
(Gas meters)

TITS, Z.L.

Plate speed variators. Trudy Inst.mash. Sem.po teor.mash. 16 no.61:51-  
72 '56. (MIRA 10:1)  
(Automatic control) (Power transmission)

TITS, Z. L. kandidat tekhnicheskikh nauk

Self-recording device for a dynamometer. Tekst. prom. 15  
no.5:46-4. My '55. (MLRA 8:6)  
(Dynamometer)

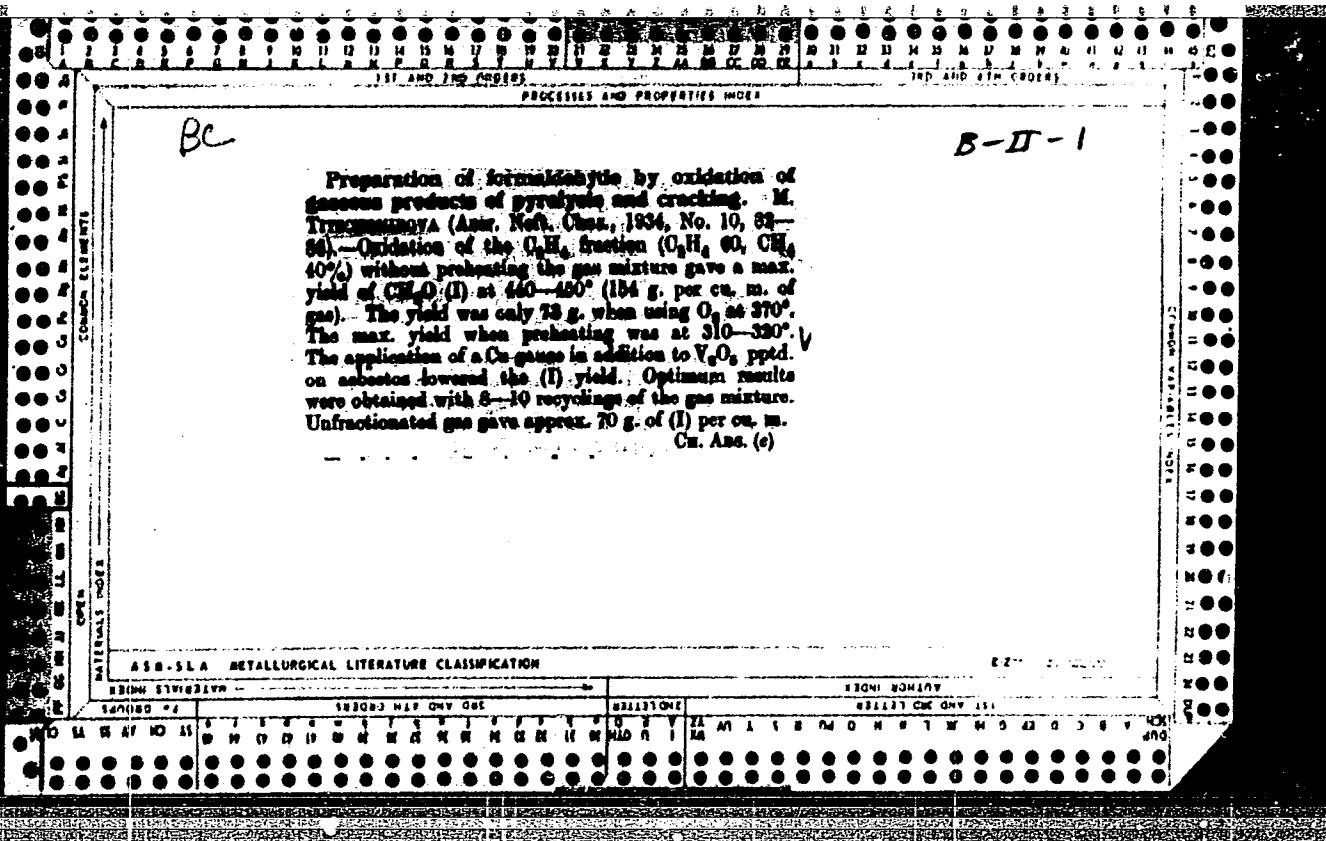
BASNAK'YAN, G. S.; TUTS, Z. I.

Pneumatic transportation of seeds in case of high concentration  
of material in the mixture. Trakt. i sol'khonishh. no. 12.  
26-28 D '65. (MTR 12 12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii  
sel'skogo khozyaysva.

TITSIN, Ivo, inzh.

High-quality microphone preamplifier. Radio i televiziia 12 no.7:  
222-223 '63.



TROSTYANSKAYA, Ye.B.; SHISHKIN, V.A.; SIL'VESTROVICH, S.I.; PANTELEYEV,  
A.S.; POLUBOYARINOV, D.N.; BALKEVHIGH, V.L.; NATANSON, A.K.;  
KOLACHEV, B.A.; PETROV, D.A.; GOL'DBERG, M.M.; SHAROV, M.Ya.,  
inzh., retsenzent; KITAYGORODSKIY, I.I., doktor tekhn. nauk,  
prof., retsenzent; LIVANOV, V.A., kand. tekhn. nauk, prof.,  
retsenzent; TROSTYANSKAYA, Ye.B., red.; BABUSHKINA, S., ved.  
red.; TITSKAYA, B.F., ved. red.; VORONOVA, V.V., tekhn. red.

[New kinds of materials in engineering and industry] Novye ma-  
teriali v tekhnike. Pod red. Trostianskoi E.B., Kolacheva,  
B.A., Sil'vestrovicha S.I. Moskva, Gostoptekhizdat, 1962.  
656 p. (MIRA 16:2)

(Materials)

MAKSIMOVICH, G.K., redaktor; TITSKAYA, B.F., vedushchiy redaktor;  
TROFIMOV, A.V., tekhnicheskiy redaktor

[Design, construction and use of depth pumps; transactions of the  
Conference on Depth Pumps] Konstruirovaniye, izgotovlenie i ekspluata-  
tatsiya glubinnykh nasosov; trudy konferentsii po glubinnym nasosam.  
Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-  
ry, 1951. 132 p.

(MLRA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo neftyanoy promyshlennosti.  
(Petroleum industry—Equipment and supplies)  
(Pumping machinery)

SMIRNOV,S.A.; SKORNYAKOV,A.I.; TITSKAYA,B.F., redaktor; POLOSINA,A.S.,  
tekhnicheskiy redaktor

[Gas pipe fitter in the petroleum and gas industry] Slesar' po  
gazovomu delu na neftianykh i gazovykh promyslakh. Moskva, Gos.  
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1952.  
115 p. [Microfilm] (MIRA 9:3)  
(Gas, Natural--Equipment and supplies)

FOMICHEV, P.M.; BROYDE, I.M., redaktor; TITSKAYA, B.F., redaktor; POLOSINA,  
A.S., tekhnicheskiy redaktor

[Financing the drilling of oil and gas wells] Finansirovaniye bu-  
reniya neftianykh i gazonovykh skvazhin. Moskva, Gos.nauchno-tekhn.  
izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953. 181 p.

(MIRA 9:2)

(Petroleum--Well drilling) (Gas, Natural) (Finance)

DAKHNOV, V.N., professor; TITSKAYA, B.F., redaktor; TROFIMOV, A.V.,  
tekhnicheskiy redaktor.

[Electrical prospecting of oil and gas pools] Elektricheskaya  
razvedka neftianykh i gazovykh mestorozhdenii. 2-e izd. Moskva,  
Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry,  
1953. 497 p.  
(Petroleum geology)

(MLRA 7:11)

AYRUMOV, A.M.; DZHAFAROV, A.A.; KHARIK, V.F.; TITSKAYA, B.F., vedushchiy  
redaktor; POLOSINA, A.S., tekhnicheskiy redaktor

[Grab tools and devices used in the operation and general overhaul  
of oil wells] Lovil'nye instrumenty i prisposobleniya, primeniamye  
pri ekspluatatsii i kapital'nom remonte neftianykh skvazhin.  
Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi  
lit-ry, 1954. 75 p. [Microfilm] (MLRA 7:10)  
(Petroleum--Well repair)

TITSKAYA, B.F.

ZALKIN, S.L.; TAGIYEV, E.I.; GEL'EGAT, Ya.A., redaktor; REZNIK, A.A.,  
redaktor; TITSKAYA, B.F., redaktor; POLOSINA, A.S., tekhnicheskiy  
redaktor.

[Double shaft drilling method for petroleum and gas well] Dvukh-  
stvol'noe burenie neftianykh i gazovykh skvazhin. Moskva, Gos.  
nauchno-tehn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1954.  
181 p.  
(Petroleum--Well-boring) (Gas, Natural)

(MLRA 7:7)

GRIGOR'YEV, G.G.; SUBBOTA, M.I.; TURKEL'TAUB, N.M.; YASENEV, B.P.;  
ALEKSEYEV, F.A., redaktor; TITSKAYA, B.F., redaktor; POLOSI-  
NA, A.S., tekhnicheskiy redaktor.

[Gas and gas-core surveys and the analysis of gas; handbook  
of methods] Gazovaya i gazokernovaia s"emki i analiz gaza;  
metodicheskoe posobie. Moskva, Gos. nauchno-tekhn. izd-vo nef-  
tianoi i gorno-toplivnoi lit-ry, 1954. 225 p. (MIRA 7:8)  
(Gas, Natural)

AGADZHANOV, A.M.; TITSKAYA, B.F., redaktor.

[Hydrogeology and hydraulics of underground water and petroleum]  
Gidrogeologija i gidravlika podzemnykh vod i nefti. 3 ispr. i  
dop. izd. Moskva, Gos. nauchno-tehn. izd-vo neftianoi i gorno-top-  
livnoi lit-ry, 1954. 260 p.  
(Water, Underground) (Petroleum geology)

(MLRA 7:8)

FRIDMAN, Yevgeniya Yefimovna; TITSKAYA, B.F., ved. red.

[Safety engineering for pressure and vacuum distillation units] Tekhnika bezopasnosti na atmosferno-vakuumnykh ustanovkakh. Moskva, Khimiia, 1964. 105 p.  
(MIRA 17:12)

RAZUMOV, Isay Moiseyevich; GEL'PERIN, N.I., zasl. doyatel' nauki  
i tekhniki doktor tekhn. nauk, prof., retsenzent;  
TITSKAYA, B.F., ved. red.

[Fluidization and pneumatic conveying of free-flowing  
materials] Psevdoozhizhenie i pnevmaticheskii transport  
sypuchikh materialov. Moskva, Khimiia, 1964. 159 p.  
(MIRA 17:9)

PAPOK, K.K., prof., doktor tekhn. nauk, red.; SEMENIDO, Ye.G.,  
prof., doktor tekhn. nauk, red.; DZHORDZHI, A.N., ved. red.;  
LEVINA, Ye.S., ved. red.; TITSKAYA, B.F., ved. red.

[Motor and jet-engine oils and fluids] Motornye i reaktivnye  
masla i zhidkosti. 4. perer. i dop. izd. Moskva, Izd-vo  
"Khimia," 1964. 704 p. (MIRA 17:4)

BORODKIN, Valentin Iosifovich; GAL'PERSON, Ye.B., red.; TITSKAYA,  
B.F., ved. red.; YAKOVLEVA, Z.I., tekhn. red.

[Organization and planning of work in petroleum refining]  
Organizatsiia i planirovanie raboty neftepererabatyvaiushche-  
go predpriatiia. Moskva, Gostoptekhizdat, 1963. 285 p.  
(MIRA 17:1)

UMANSKIY, Moisey Mikhaylovich; BROYDE, I.M., red.; TITSKAYA, B.F.,  
red.; VORONOV, V.V., tekhn. red.

[Cost of petroleum refining products and possibility of lowering-  
ing it] Sebestoimost' produktov neftepererabotki i puti ee  
snizheniya. Moskva, Gostoptekhizdat, 1963. 122 p.  
(MIRA 16:7)

(Petroleum products--Costs)

ZHELIKHOVSKAYA, Anastasiya Nikolayevna. Prinimali uchastiye:  
GUTSAYT, Z.I.; NOVITSKAYA, O.V.; BRODE, I.M., red.;  
TITSKAYA, B.F., ved. red.; VORONOVA, V.V., tekhn. red.

[Planning petroleum refining production; technical,  
industrial, and financial planning] Planirovanie neftepe-  
rerabatyvaiushchego proizvodstva; sostavlenie tekhprom-  
finplana. Moskva, Gostoptekhizdat, 1963. 255 p.  
(MIRA 16:7)

(Petroleum--Refining)

IVCHENKO, Yevgeniy Gordeyevna; SEVAST'YANOVA, Galina Vasil'yevna;  
TITSKAYA, B.F., ved. red.; TROFIMOV, A.V., tekhn. red.

[Types of sour petroleums in Bashkiria] Sernistye i vysoko-sernistye nefti Bashkirskoi ASSR; spravochnaya kniga.  
Moskva, Gostoptekhizdat, 1963. 232 p. (MIRA 16:4)  
(Bashkiria--Petroleum--Analysis)

GERASIMENKO, N.M.; ZHADANOVSKIY, N.B.; FINELONOV, V.P.; TITSKAYA,  
B.F., ved. red.; BASHMAKOV, G.M., tekhn. red.

[Hydrorefining of petroleum products] Gidroochistka nefteproduktov. Moskva, Gostoptekhizdat, 1962. 131 p. (MIRA 16:2)  
(Petroleum--Refining)

CHERVINSKIY, Konstantin Aleksandrovich; OROCHKO, D.I., red.;  
TITSKAYA, B.F., ved. red.; STAROSTINA, L.D., tekhn. red.

[Technological processes of petrochemical synthesis] Tekhnologicheskie metody neftekhimicheskogo sinteza. Moskva, Gostoptekhizdat, 1963. 87 p. (MIRA 16:5)  
(Petroleum chemicals) (Chemical reactors)

PAPOK, Konstantin Karlovich; RAGOZIN, Nikandr Andreyevich; BABUSHKINA,  
S.I., ved. red.; KLEYMENOVА, K.F., ved. red.; TITSKAYA, B.F.,  
ved. red.; VORONOVА, V.V., tekhn. red.; TROFIMOV, A.V., tekhn.  
red.

[Technical dictionary-manual on fuel and oils]Tekhnicheskii  
slovar'-spravochnik po toplivu i maslам. Izd.3., dop. i perer.  
Moskva, Gostoptekhizdat, 1963. 767 p. (MIRA 16:3)  
(Fuel) (Lubrication and lubricants)

BERANEK, Jaroslav, inzh.; SOKOL, Drakhomir [Sokol, Drahomir], inzh.;  
AYNSHTEYN, V.G., kand. tekhn. nauk, [translator]; GEL'PERIN,  
N.I., doktor tekhn. nauk, prof., red.; TITSKAYA, B.F., ved. red.;  
POLOSINA, A.S., tekhn. red.

[Techniques of fluidization] Tekhnika psevdozazheniya. Pod red.  
N.I. Gel'perina. Moskva, Gostoptekhizdat, 1962, 159 p. Translated  
from the Czech. (Fluidization) (MIRA 15:12)

POPOV, Nikolay Nikiforovich; TITSKAYA, B.F., ved. red.; TROFIMOV,  
A.V., tekhn. red.

[Determining the consumption of liquid fuel by motor vehicles  
and tractors; reference tables] Opredelenie raskhoda zhid-  
kogo topliva avtomobiliami i traktorami; spravochnye tablitsy.  
Moskva, Gostoptekhizdat, 1961. 197 p. (MIRA 15:7)  
(Motor vehicles--Fuel consumption)  
(Tractors--Fuel consumption)

SEMENIDO, Ye.G., prof., doktor tekhn. nauk; ENGLIN, B.A.; PAPOK, K.K.,  
prof. doktor tekhn. nauk; ZARUBIN, A.P.; RAGOZIN, N.A.;  
SHIMONAYEV, ? S.; CHERTKOV, Ya.B.; LIVSHITS, S.M.;  
BESENTERNYY, K.I.; LOSIKOV, B.V.; SABLINA, Z.A.; ROZHKOVA, I.V.;  
GUREYEV, A.A.; FAT'YANOV, A.D.; ZRELOV, V.N.; ZARUDNYY, P.P.;  
BRATKOV, A.A.; BARON, I.G.; LEVINA, Ye.S., ved. red.; TITSKAYA,  
B.F., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Motor, jet, and rocket fuels] Motornye, reaktivnye i raketye  
topliva. 4., perer. i dop. izd. Moskva, Gos. nauchno-tekhn.  
izd-vo neftianoi i gorno-toplivnoi lit-ry, 1962. 741 p.

(MIRA 15:2)

(Rockets (Aeronautics))—Fuel)  
(Jet propulsion)  
(Motor fuels)

KREYN, S.E., red.; SANIN, P.I., red.; MONASTYRSKIY, V.N., red.; EMINOV,  
Ye.A., red.; LEVINA, Ye.S., vedushchiy red.; TITSKAYA, B.F.,  
vedushchiy red.; POLOSIHA, A.S., tekhn. red.

[Additives to oils and fuels; papers read at a scientific and  
technical conference] Prisadki k maslam i toplivam; trudy nauchno-  
tekhn. soveshchaniia. Pod red. S.E.Kreina i dr. Moskva, Gos.  
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 394 p.

(MIRA 14:11)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po prisadkam  
k maslam i toplivam, 1960. 2. Institut neftekhimicheskogo sinteza  
AN SSSR (for Sanin). 3. Vsesoyuznyy nauchno-issledovatel'skiy in-  
stitut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhid-  
kogo topliva (for Monastyrskiy).  
(Fuel—Additives) (Lubrication and lubricants—Additives)

TOPCHIYEV, A.V., akademik, red.; BABUSHKINA, S.I., ved. red.; GOR'KOVA, A.A.,  
ved. red.; YENISHERLOVA, O.M., ved. red.; YEFREMOVA, T.D., ved. red.;  
LEVINA, Ye.S., ved. red.; TITSKAYA, B.F., ved. red.; VORONOVA, V.V.,  
tekhn. red.

[Reports of the International Petroleum Congress, 5th. New York, 1959]  
Doklady V Mezhdunarodnogo neftianogo kongressa, New York, 1959. Mo-  
skva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry.  
Vol.4. [Transportation, quality, and use of petroleum products] Tran-  
sport, kachestvo i primenenie nefteproduktov. 1961. 398 p.

1. International Petroleum Congress, 5th. New York, 1959.  
(Petroleum products) (MIRA 14:9)

TOPCHIYEV, A.V., akademik, red.; BABUSHKINA, S.I., ved. red.; YENISHERLOVA, O.M., ved. red.; KLEYMENOVA, K.F., ved. red.; LEVINA, Ye.S., ved. red.; MIGAY, L.S., ved. red.; TITSKAYA, B.F., ved. red.; FEDOTCVA, I.G., tekhn. red.

[Reports of the International Petroleum Congress, 5th. New York, 1959] Doklady V Mezhdunarodnogo neftianogo kongressa, New York, 1959. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry. Vol.3. [Petroleum and gas refining. Petrochemistry] Pererabotka nefti i gaza. Neftekhimiia. 1961. 498 p. (MIRA 14:9)

1. International Petroleum Congress, 5th. New York, 1959.  
(Petroleum—Refining) (Petroleum chemicals)

GUREYEV, Andrey Aleksandrovich; TITSKAYA, B.F., vedushchiy red.; POLOSINA, A.S.,  
tekhn. red.

[Automobile gasolines] Avtomobil'nye benziny. Moskva, Gos. nauchno-  
tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 158 p.  
(MIRA 14:7)

(Gasoline)

PETROV, N.A., red.; PETRENKO, L.I., red.; SAVITSKIY, P.S., red.; SINITSIN, V.I., red.; KOLOTYRKIN, Ya.M., red.; SYRKUS, N.P., red.; ROMM, R.F., red.; ANTYSHEV, P.I., red.; VARTAZAROV, S.Ya., red.; ZAYTSEV, A.I., red.; ZEZYULINSKIY, V.M., red.; ZEDGINIDZE, G.A., red.; MARTYNKIN, F.F., red.; ROGACHEV, V.I., red.; SLATINSKIY, A.N., red.; LEVINA, Ye.S., vedushchiy red.; TITSKAYA, B.F., vedushchiy red.; PERSHINA, Ye.G., vedushchiy red.; TOME, A.G., vedushchiy red.; ZARETSKAYA, A.I., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Transactions of the Conference on the Introduction of Radioactive Isotopes and Nuclear Radiation into the National Economy of the U.S.S.R.] Trudy Vsesoiuznogo soveshchanija po vnedreniju radioaktivnykh izotopov i iadernykh izluchenij v narodnoe khoziaistvo SSSR. Pod red. N.A.Petrova, L.I.Petrenko i P.S.Savitskogo. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.1. [General aspects of isotope applications. Instruments with sources of radioactive radiation. Radiation chemistry. Chemical and petroleum refining industry]

(Continued on next card)

PETROV, N.A.---(continued) Card 2.

Obshchie voprosy primeneniia izotopov. Pribory s istochnikami radioaktivnykh izlucheni. Radiatsionnaya khimiia. Khimicheskaya i neftepererabatyvaiushchaya promyshlennost'. 1961. 340 p. Vol.2. [Construction and the industry of construction materials. Light industry. Food industry and agriculture. Medicinal Stroitel'stvo i promyshlennost' stroitel'nykh materialov. Legkaya promyshlennost'. Pishchevaya promyshlennost' i sel'skoe khozisistvo. Meditsina. 1961. 267 p.

(MIRA 14:4)

1. Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheni v narodnoye khozyaystvo SSSR. Riga, 1960.

(Radioisotopes)

(Radiation)

COUNTRY	: USSR
CATEGORY	: Pharmacology, Toxicology, Chemotherapeutic Preparations.
ART. NO.:	: Antineleminthic Substances : RZhBiol., No. 12 1958, No. 56652
AUTHOR	: Rasnopyeyeva, T... , Titskaya, M.L.
INST.	: Stavropol'sk Agricultural Institute
TITLE	: The Influence of Phenothiazine on Sheep Blood
FIG. PUB.	: Sb. Nauch.-Issled. Rabot Stud. Stavropol'sk. S.-Kh. In-t, 1958, No.4, 149-150
ABSTRACT	: Experiments were carried out on 14 sheep. Single administration of phenothiazine in a dose of 0.5-1.5 gm/kg produced a transitory reduction of Hb and erythrocyte levels in the blood. The feeding of a phenothiazine-salt mixture (1 gm phenothiazine and 9 gm salt per day) for a period of 2 months led to a slight elevation in the Hb and the erythrocyte count. The activity of catalase did not change. -- F.G.Sivashinskaya
Card:	1/1

L 40987-65 EWT(m)/EPF(c)/EMP(j)/T/EMA(c) PC-4/PR-4 IJP(c) RM  
ACCESSION NR: AR5005638 S/0081/64/000/022/B049/B050

SOURCE: Ref. zh. Khimiya, Abs. 22B329

AUTHOR: Kutsyna, L.M.; Grekov, A.P.; Lupashko, Ye. A.; Verkhovtseva, E.T.;  
Aleksandrova, D.M.; Titkiy, G.D.; Denchenko, N.P.

TITLE: The use of 1-methylnaphthalene in scintillation technology

CITED SOURCE: Sb. Stsintillyatory i stsintillyats. materialy. Khar'kov, Khar'kovsk.  
un-t, 1963, no3-208

TOPIC TAGS: scintillator, scintillation counter, methylnaphthalene, photoelectric  
counter, scintillation, scintillation effect, scintillators, preparation, radiorisotope

TRANSLATION: The scintillation effect:ness of liquid scintillators prepared from  
methylnaphthalene and their use in photoelectric counters

Card 1/2

L 40987-65

ACCESSION NR: AR5005638

detected in this preparation, but was shown to have no effect on the scintillation effectiveness. The scintillation effectiveness was determined from the photoelectric current in an FEU during irradiation with gamma rays from Ag-110. I. Keirim-Markus

SUB CODE: OP, OC

ENCL: 00

Card 2/2

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Structure and bacteriostatic activity of hydroxy and methoxy analogs  
of some sulfanilamides. Farmatsev.zhur. 20 no.1:13-16 '65.  
(MIRA 18:10)

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AUTHOR: Litvinenko, L. M.; Oleynik, N. M.; Titkiy, G. D.

TITLE: The direction of the search for new bifunctional catalysts

SOURCE: AN SSSR. Doklady\*, v. 157, no. 5, 1964, 1153-1155

TOPIC TAGS: bifunctional catalyst model, nucleophilic group, electrophilic group, nitrogen, sulfur, thioacetic acid, carboxylic acid diaclamide, carboxylic acid arylamide, dibenzoylamide, reaction rate constant, monomer, hydrogen bond

ABSTRACT: The model for such a search could be a very simple enzymatic process; the catalyst should carry a nucleophilic and an electrophilic group.

Compounds of formula I



where M is any atom other than oxygen, were studied, using as M the elements nitrogen and sulfur which adjoin oxygen in the periodic chart in the form of thio-

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acetic acid<sup>7</sup> and diacylamides or arylamides of carboxylic acids.<sup>7</sup> The catalytic properties of the compounds under study were determined by the acylation reaction of aromatic amines<sup>7</sup> with benzoyl chloride in benzene. The velocity constants were calculated according to formula 2;  $k = k_0 + k_A m$ . ; k showed a linear dependency upon the analytic concentration m of thioacetic acid, diacetyl amide and dibenzoyl amide; this would indicate a monomeric state of the substance. Infrared spectra confirmed this in thioacetic acid. The catalytic velocity constants (according to (2)) are tabulated; the carboxylic acid amides had no catalytic properties, due probably to the weak acidity of the amidic hydrogen. Thioacetic acid had only 1/30 the catalytic activity of acetic acid. This unexpected result is explained by pointing to the low hydrogen-bonding ability of thiocarboxylic acids. Bi-functional catalysts must be able to form hydrogen bonds. The catalytic properties of formula I probably depend upon its ability to form hydrogen bonds rather than its acidity. Such considerations might open new paths for finding efficient bifunctional catalysts in reactions of nucleophilic substitution at the carbonyl atom. Orig art. has: 4 formulas, 1 table and 1 figures.

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